





PRELIMINARY REPORT
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1982

**Census of
Construction Industries**

CC82-I-6(P)

Issued April 1984

HIGHWAY AND STREET CONSTRUCTION CONTRACTORS
(Industry 1611)

During 1982, the establishments with paid employees classified in this industry accounted for \$17.0 billion in total business receipts. Of this amount, \$16.2 billion were receipts for construction work. These establishments paid out \$6.2 billion for materials, components, supplies, and fuels and \$3.0 billion for construction work subcontracted to others. This industry had total average employment of 185,574 employees with total payroll of \$3.6 billion. Value added for 1982 was \$7.7 billion.

Establishments classified in this industry are primarily engaged in the construction of roads, streets, alleys, sidewalks, guardrails, parkways, parking areas, airports, and athletic fields. For specific examples, refer to the 1972 Standard Industrial Classification (SIC) Manual, and its 1977 supplement, published by the Office of Management and Budget, Executive Office of the President.

For this census, a "construction establishment" was defined as a relatively permanent office or other place of business at which or from which the usual business activities related to construction were conducted. A separate census report was required from each establishment but not from each construction site. Instead, the data for work at each site were included in the report from the appropriate office or branch office. Foreign construction activities were not included in this census.

The 1982 estimates for establishments with paid employees in all of the construction industries are based on reports from a probability sample of approximately 172,000 establishments selected from a universe of about 498,000 construction establishments with payroll. The data obtained from the sample were weighted to represent all construction establishments with payroll. Complete descriptions of the sampling and estimating procedures will be included in the final reports.

Since the data in this report are based on a sample, they are subject to sampling variability and may be expected to differ from results which would have been obtained if a complete census had been taken using the same questionnaires and procedures. The relative standard error shown in the tables is a measure of sampling variability, i.e., the variation that might occur by chance because only a sample of the population was surveyed.

All data shown are based on current dollars for the years specified and have not been adjusted for inflation.



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Table 1. General Statistics for Establishments With Payroll by States: 1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Location of establishment	1982								
	Number of establish- ments	Employees**		Payroll		Construction worker hours (thousands)	Total construction receipts	Net construction receipts†	
		All	Construction workers	All employees	Construction workers				
A	B	C	D	E		F	G	H	
United States	8 177	185 574	157 859	3 552 904	2 801 413	284 755	16 179 460	13 172 239	
Alabama	122	2 580	2 196	36 085	26 890	3 996	188 702	151 212	
Alaska	70	1 976	1 691	59 464	50 759	2 888	215 555	182 630	
Arizona	125	2 784	2 288	45 866	35 300	3 925	221 821	185 224	
Arkansas	91	1 455	1 236	19 947	15 626	2 251	91 810	78 778	
California	752	11 382	9 310	281 128	213 379	15 144	1 390 569	1 085 598	
Colorado	128	4 151	3 528	89 054	73 537	5 988	372 192	308 225	
Connecticut	108	2 906	2 455	66 431	54 333	4 676	226 069	171 544	
Delaware	34	1 052	850	20 580	15 610	1 606	91 040	76 923	
District of Columbia	7	350	286	7 673	5 383	526	27 226	21 075	
Florida	346	9 972	8 524	153 428	118 051	17 040	738 523	576 549	
Georgia	202	5 781	5 152	82 266	66 443	9 645	457 207	363 514	
Hawaii	24	732	597	18 061	13 589	868	82 003	58 498	
Idaho	59	1 133	954	20 631	16 922	1 676	87 899	74 128	
Illinois	326	8 310	6 936	196 934	152 390	11 584	785 021	634 099	
Indiana	143	2 691	2 112	55 886	40 687	3 551	222 291	188 248	
Iowa	146	3 336	2 752	67 413	48 953	4 862	254 493	217 811	
Kansas	91	2 599	2 210	47 883	37 185	4 055	259 211	231 300	
Kentucky	133	3 588	3 151	61 281	47 781	5 736	266 255	230 973	
Louisiana	147	9 632	8 570	138 558	106 548	11 842	615 660	546 991	
Maine	46	1 697	1 429	32 238	26 018	3 236	109 168	96 374	
Maryland	136	5 288	4 447	116 812	90 196	8 490	533 682	362 989	
Massachusetts	183	2 809	2 401	57 734	48 539	4 392	229 656	177 901	
Michigan	271	4 300	3 747	94 016	79 384	7 394	397 734	315 150	
Minnesota	263	4 986	4 156	109 449	86 480	7 497	508 021	403 809	
Mississippi	85	1 909	1 695	26 128	20 680	3 458	139 982	112 692	
Missouri	173	3 137	2 621	67 312	52 936	4 488	297 774	237 961	
Montana	70	1 249	1 073	26 449	22 290	1 736	108 361	91 973	
Nebraska	74	1 435	1 234	24 903	20 231	2 324	99 274	89 158	
Nevada	61	1 527	1 353	41 044	35 838	2 376	173 786	130 602	
New Hampshire	42	1 000	757	17 867	12 803	1 529	72 451	65 097	
New Jersey	242	3 631	3 014	68 363	53 686	4 984	329 390	273 970	
New Mexico	68	1 778	1 557	30 292	24 509	2 840	149 718	130 256	
New York	392	7 523	6 308	160 363	123 268	11 259	794 472	649 516	
North Carolina	180	4 936	4 294	61 104	47 907	7 632	343 613	256 378	
North Dakota	70	1 246	1 103	24 699	20 720	2 159	123 671	111 061	
Ohio	271	5 310	4 361	126 339	98 165	7 838	547 056	457 243	
Oklahoma	146	3 168	2 723	51 059	41 003	5 210	278 857	248 913	
Oregon	235	1 967	1 495	39 801	31 349	2 375	190 189	152 595	
Pennsylvania	326	8 316	7 036	174 979	139 720	12 788	765 260	617 589	
Rhode Island	28	360	304	6 844	5 972	560	31 097	26 454	
South Carolina	111	2 077	1 777	29 840	22 596	3 238	150 579	123 730	
South Dakota	65	755	677	12 508	10 038	1 320	58 564	48 337	
Tennessee	156	3 513	3 042	52 605	40 001	5 758	261 182	207 040	
Texas	565	19 428	17 097	312 861	251 655	33 547	1 573 869	1 315 749	
Utah	65	2 169	1 913	47 925	41 655	3 639	178 882	149 929	
Vermont	26	159	133	2 313	1 794	252	10 541	8 426	
Virginia	192	4 090	3 469	63 854	48 708	6 729	278 015	226 528	
Washington	261	4 134	3 396	97 466	78 667	5 727	380 126	318 710	
West Virginia	58	1 407	1 213	27 621	22 482	2 352	114 957	96 729	
Wisconsin	203	2 206	1 836	48 087	37 922	3 289	241 629	186 775	
Wyoming	48	1 645	1 393	31 453	24 827	2 456	114 349	99 278	

Value added††	Payments for materials, components, supplies, and fuels	Payments for construction work sub-contracted to others	Rental payments for machinery, equipment, and structures	Capital expenditures, other than land	End-of-year gross book value of depreciable assets	All employees**	Total construction receipts	Value added††	Relative standard error of estimate (percent) for column—		Location of establishment	
									O	B	H	
I	J	K	L	M	N	O	P	O	B	H	M	
7 740 455	6 217 764	3 007 221	555 212	585 918	8 094 582	267 917	15 021 207	7 641 218	(W)	(W)	(W)	U.S.
90 072	69 545	37 490	3 853	9 020	122 235	6 565	328 449	168 530	4	3	1	Ala.
136 241	51 753	32 925	9 283	12 131	91 617	2 420	196 651	114 760	2	2	3	Alaska
96 433	96 000	36 596	8 433	5 701	86 245	2 687	237 054	117 424	3	2	2	Ariz.
45 268	39 527	13 032	2 533	4 112	77 091	2 373	103 547	47 427	7	7	17	Ark.
696 165	456 786	304 971	77 653	28 890	544 415	14 183	1 083 383	558 177	1	1	1	Calif.
188 667	134 910	63 967	12 579	19 476	184 787	3 988	236 418	141 722	1	1	2	Colo.
149 825	(D)	54 525	8 080	5 484	111 882	3 471	224 293	110 623	2	2	4	Conn.
61 034	(D)	14 117	2 719	3 458	52 435	949	41 083	22 233	5	4	6	Del.
15 017	6 203	6 151	2 336	807	7 765	649	26 582	12 016	(W)	(W)	(W)	D.C.
345 239	291 579	161 974	24 114	31 175	405 315	12 376	597 128	266 601	1	1	2	Fla.
198 413	182 864	93 693	9 261	13 988	199 504	8 725	442 664	214 370	2	1	(W)	Ga.
36 524	23 280	23 505	1 772	1 564	26 493	1 352	86 330	41 092	1	3	2	Hawaii
49 768	31 226	13 771	5 405	4 248	62 757	1 735	97 981	58 543	8	3	1	Idaho
338 862	325 133	150 921	21 306	21 059	369 748	13 060	832 127	427 703	1	1	1	Ill.
97 716	103 326	34 043	2 777	5 058	104 011	5 206	295 144	148 609	2	1	1	Ind.
126 718	97 685	36 682	5 664	13 113	192 804	4 396	318 184	149 016	3	3	5	Iowa
149 363	95 952	27 911	4 296	10 731	128 750	4 016	197 459	101 065	2	1	(W)	Kans.
128 264	119 051	35 281	13 202	10 744	160 477	4 873	283 936	141 814	3	1	1	Ky.
255 837	299 839	68 668	8 823	27 507	316 498	9 665	483 869	215 880	1	(W)	1	La.
53 195	51 661	12 794	6 001	4 914	53 705	1 582	58 681	37 853	3	3	3	Maine
267 859	130 295	170 693	16 332	17 439	382 065	6 290	301 669	171 393	1	1	1	Md.
118 347	69 660	51 755	10 247	13 621	114 658	3 697	206 145	116 173	5	3	5	Mass.
196 015	133 337	82 584	9 884	12 178	216 868	8 303	599 373	292 715	2	1	2	Mich.
194 970	223 733	104 212	16 127	16 722	244 735	6 337	395 712	205 612	2	2	2	Minn.
62 713	55 243	27 290	4 894	7 545	65 244	3 593	173 660	91 537	3	3	3	Miss.
132 188	116 707	59 813	4 714	13 152	167 345	5 456	341 650	180 272	3	2	1	Mo.
66 585	28 914	16 388	3 491	5 019	84 123	2 341	126 813	74 704	5	5	5	Mont.
48 010	46 188	10 116	3 225	3 940	78 500	3 121	184 562	100 864	5	3	5	Nebr.
76 682	57 440	43 184	7 927	4 877	114 141	1 230	81 253	44 740	3	2	3	Nev.
39 275	32 734	7 354	2 531	4 851	39 784	1 659	81 292	41 291	4	2	1	N.H.
146 348	143 805	55 420	5 674	7 773	111 176	5 305	296 299	155 320	4	3	6	N.J.
81 491	53 044	19 462	4 598	8 974	83 803	2 858	133 046	84 964	5	2	(W)	N. Mex.
382 867	292 640	144 956	34 243	25 328	257 344	9 727	568 818	307 229	1	1	3	N.Y.
119 293	147 148	87 235	9 876	9 798	176 800	9 868	456 508	196 617	3	2	3	N.C.
66 636	48 054	12 610	3 708	6 136	77 510	1 723	104 993	52 191	5	3	2	N. Dak.
242 121	235 665	89 813	10 065	12 559	215 090	8 896	615 924	282 818	2	1	2	Ohio
133 778	124 638	29 944	10 683	10 260	143 491	2 979	159 692	67 539	4	3	3	Okla.
100 780	60 057	37 594	5 860	6 406	107 353	3 713	211 914	127 015	5	5	3	Oreg.
420 956	272 519	147 670	26 669	34 863	347 041	11 361	575 350	335 826	1	(W)	(W)	Pa.
15 338	(D)	4 643	2 522	1 004	9 679	921	37 570	23 197	12	6	6	R.I.
71 532	56 280	26 849	3 061	8 480	86 021	4 816	179 929	78 358	4	4	1	S.C.
33 643	14 925	10 227	936	2 053	46 316	1 301	75 903	39 744	6	4	4	S. Dak.
104 456	118 793	54 142	5 266	10 361	142 930	7 522	379 683	155 850	3	2	1	Tenn.
693 758	665 336	258 120	75 299	51 245	638 349	22 183	1 035 215	493 303	1	(W)	1	Tex.
101 198	60 065	28 953	5 763	12 201	115 932	2 258	120 262	64 870	3	2	(W)	Utah
4 032	4 449	2 115	751	718	6 134	395	19 855	11 422	12	9	6	Vt.
130 280	111 758	51 486	8 238	10 253	161 792	10 036	446 955	226 701	3	3	2	Va.
199 539	128 103	61 416	12 191	14 403	254 721	7 192	416 332	229 345	4	2	3	Wash.
63 020	39 677	18 228	4 333	2 696	83 973	2 311	124 887	82 494	4	3	(W)	W. Va.
104 252	86 656	54 854	7 498	9 559	132 307	4 052	261 201	128 831	4	2	2	Wis.
63 855	45 526	15 071	8 500	8 309	90 809	2 204	137 791	82 837	3	3	6	Wyo.

Table 2. Construction Receipts for Establishments With Payroll by Type of Construction:
1982 and 1977

[Thousand dollars. Detail may not add to total due to rounding. For meaning of abbreviations and symbols, see page 4]

Item	1982	1977	Relative standard error of estimate (percent)	
			1982	1977
Total construction receipts	16 179 460	15 021 207	(W)	(W)
Building construction	226 215	337 115	2	2
Nonbuilding construction	14 338 839	14 614 115	(W)	1
Highways, streets, and related facilities	11 901 007	12 898 516	(W)	1
Parking areas	124 089	64 061	4	5
Recreational facilities	65 553	72 216	12	5
Bridges, tunnels, and elevated highways	767 268	457 238	(W)	(W)
Dam and reservoir construction	75 021	101 051	1	(W)
Conservation and development construction	16 319	74 201	1	2
Sewer, water mains, and related facilities	517 034	559 500	1	(W)
Other nonbuilding construction	872 548	387 332	2	1
Construction work, n.s.k.	1 614 405	70 011	1	4

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The following abbreviations and symbols are used in the tables in this publication:

- * Sampling error exceeds 40 percent.
- ** All employees (average) is the sum of construction workers during pay period including 12th of March, May, August, and November divided by 4, added to all others, March 12th.
- Represents zero.
- † Represents total construction receipts less payments for construction work subcontracted to others.
- †† Represents all business receipts less payments for construction work subcontracted to others, and payments for materials, components, supplies, and fuels. In SIC's 1531 and 6552, land receipts are also subtracted from "all business receipts."
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.
- (S) Withheld because estimate did not meet publication standards on the basis of either the response rate, associated standard error, or a consistency review.
- (W) Greater than zero but less than 1 percent.
- (X) Not applicable.
- n.s.k. Not specified by kind.



